FINEP

Software S- auto FIMEP for AEV test in accordance to EN.

INTRODUCTION

This is a manual of the software specially developed for use with the type P100S machine.

The software is divided in two parts; one part to measure and pilot the machine and a second part who uses Excel to produce a report.

The software made it possible to use the machine in manual or semi-automatic mode.

For an computer already programmed go to chapter 2 "Starting the programme FIMEP".

Software S-auto FIMEP in accordance to EN.

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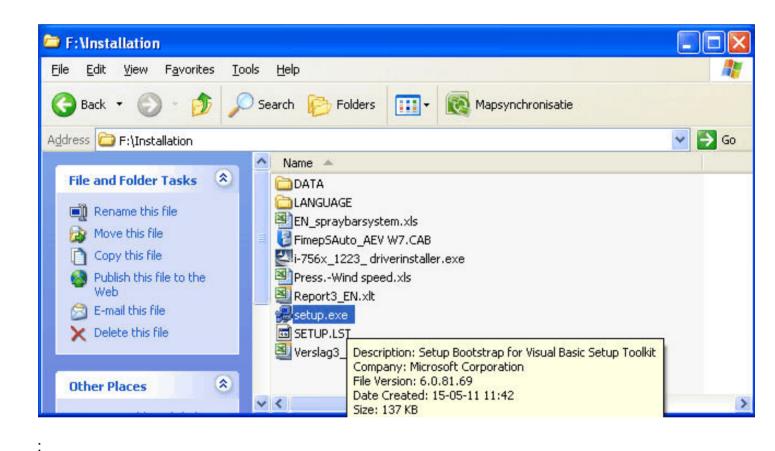
0. Description of the Fimep software.

The software is multi platform and works under Windows 95 / 98 / ME / 2000 and NT and includes two systems: a measuring system under visual basic and an report system under "EXCEL".

1. New installation or update of an old version

The software is provided on CD-ROM or USB stick, the installation starts automatic.

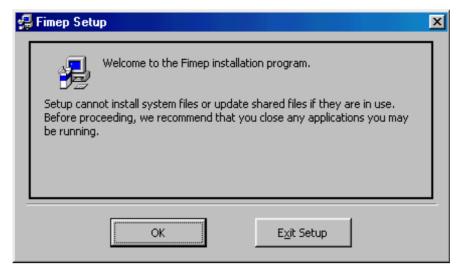
If it don't start go to the "setup.exe" file in the "Installation" menu.



In the zone "**Open :**" type the letter of the drive followed by (:) et **setup**. Example: E:setup



And "OK"



You has to close all Windows programmes and confirm with "OK"

🖶 Fimep Manuel V6.0 Setup	×
Begin the installation by clicking the button below.	
Click this button to install Fimep Manuel V6.0 s destination directory.	oftware to the specified
	Change Directory
C:\Program Files\FIMEP\	
E <u>x</u> it Setup	

Here is the possibility to change the file where the programme is saved. Normally it is set to install the programme in the directory **C:\AWW FIMEP.**

If nothing has to be changed we have:

🚭 Fimep Manuel V6.0 Setup	×
Begin the installation by clicking the button below.	
Puspine Putton Click this button to install Fimep Manuel V6.0 se destination directory.	oftware to the specified
Directory: c:\Program Files\Microsoft Office\Office\FIMEP\	Change Directory
E <u>x</u> it Setup	

After this when an update is installed the files "data" and "mach param" have not to be overitten!

The setup asks if the program group Fimep has to be created.

🛃 Fimep - Choose Program Group	×
Setup will add items to the group shown in the Program Group box. You can enter a new group name or select one from the Existing Groups list.	
Program Group: Fimep Existing Groups:	
Accessoires CorelDRAW 8 Démarrage Fimep	
Outils Microsoft Office Services en ligne	
<u>C</u> ontinue Cancel	

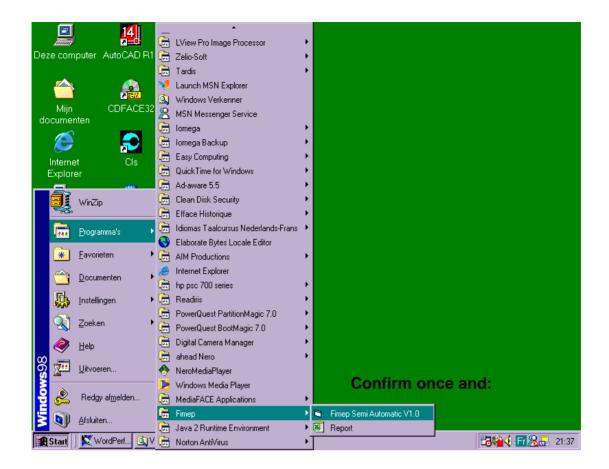
The following message is displayed:

Fimep Setup 🔀
Fimep Setup was completed successfully.
OK]

Confirm with "OK" and the software is installed.

2. Start of the programm FIMEP

During installation the program group "FIMEP" is added to the "Start" menu - Programmes



This is the start screen of the programme:

Bestand Fichier File				
F1 New file	F2 Open existinq file			

Here it is possible to use a new or an existing file: If a new file is selected then:

New			? ×
Explorer : 🧲	🕽 Data	💽 🖻 💆) 📸 📰
🔊 test.par			
1			
No <u>m</u> :	J		<u>O</u> uvrir
<u>T</u> ype :	Parameter files (*.par)	-	Annuler
			/i.

Here a new file name has to be used.

If the option "F2 Open existing file" is chosen:

Bestand Fichier File			
F1 New file	F2 Open existinq file		

Then the same window is opened and the existing file is opened.

If there is no communication with the test rig F8 should be pressed and the com port set to

	AUTO
MAIN MENU -> ctrl F12 = ch language	Pressure regulation
F1 CHARACTERISTICS WINDOW	Required 0 Pa P: -3080 Pa ● dP: -3065 Pa Frequency: 0 Hz
F2 AIR PERMEABILITY	Next step
F3 WIND RESISTANCE	
F4 PULSATIONS	Deformation Pot1 U -0,04 mm
F5 CONTROL OF AIR PERMEABILITY	Pot1 M -0,04 mm Pot1 L -0,04 mm Pot2 U 0,00 mm
F6 WATER TIGHTNESS	Pot2 0 0,00 mm Pot2 M 0,00 mm Pot2 L 0,00 mm
F7 SAFETY TEST	Exit Valve Positive Pressure
F8 PARAMETERS AUTOMATIC MACHINE	☐ Valve Negative Pressure ☐ Storm valve ☐ Water valve
F10 STOP	
	FIMEP S V1.0

the right value. See description on the user manual.

3. Main menu

In the main menu all the tests according to the European normalisation are displayed in the order of execution.

The main menu always opens in automatic mode! To select manual mode, mark with \checkmark On the "MANUAL Control".

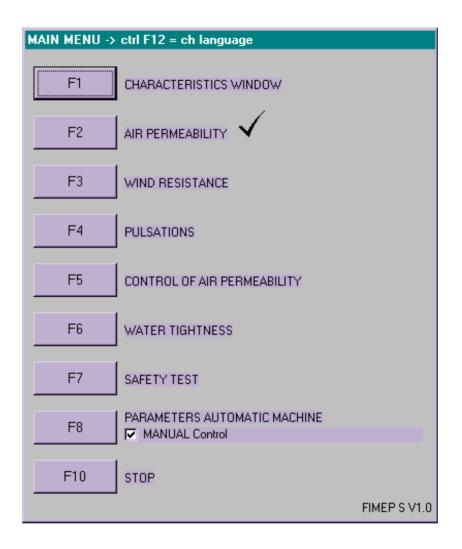
Each time a test sequence is performed a \checkmark is marked.

This is an aid to memorise witch tests are completely performed.

All measuring results are registered in the measuring file after each test.

The language can be changed by use of the [Ctrl+F12].

A main menu after a partial test:



4. Modules

The different modules in the main menu are accessible by mouse click or with the function buttons.

4.1. F1 Description (Details of the item under test)

This module permit to put a complete description of the window under test in the data file.

The module has several pages:

4.1.1. General

READERTION	
DESCRIPTION	
General Prope	erties Elements Glazing Classification Environment Remarks
Company	Fimep
Address	Ommegangstreet 5
	8720 Wakken
Name of operator	Tester
F1 Ok	F2 Initialising F10 Cancel
FLOK	F2 Initialising F10 Cancel

The other pages :

4.1.2. Properties

DESCRIPTION				
General Pro	perties Elements	Glazing Classifica	ation Environment	Remarks
Reference	Softtest	Type of profi		
Туре	V 1.0	Type of seal Length of op	S1	4.02 m
Dimensions oute	r frame L	1.5 m Dimensions o 2.04 m m ²	opening parts : L [H [0 m 0 m m ²
F1 Ok		F2 Initialising		F10 Cancel

Here the outer dimensions and the length of joint are to fill in; the dimension of opening parts are not needed for calculation.

For fixed frames the length of joint = 0.

4.1.3. Elements

DESCRIPTION			
General Properties	Elements Glazing	Classification Envir	onment Remarks
Frame / Reinforcement	FR1	Gasket	G
Sash / Reinforcement	SR1	Drip rail	D
False mullion / Reinf.	FR	Sill / other	S/o
Mullion / Reinforcement	MR2	Hardware	Sobinco
Seal outer frame	SO	Number of striker plates	2
Seal sash	SS	Number of hinge points	2
Glazing bead / gasket	GBG		
F1 Ok	F2 Ir	nitialising	F10 Cancel

4.1.4. Glazing

DESCRIPTION General Prope	rties Elements	Glazing Classifi	cation [En∨ironme	ent Remarks
Type of glass	double	_		
Glass Air Glass	1	4 2 4		
F1 Ok		F2 Initialising		F10 Cancel

4.1.5. Classification

4.1.6. Environment

This is a very important page because it sets the maximum of test for the wind resistance.

C1 C2	Air perm suring until max. p 150 300 600 600	-		с А С В	ightness A5 B5 g A or B until without pressure
C3	Resistar Measuring	nce to wind Pulsations	Security	2 3 4 5	50 100 150 200
C1	400	200	600	6	250
C2	800	400	1200		300
C3	1200	600	1800	8	450
C4	1600	800	2400	9	600
C5	2000	1000	3000	Exxx	by steps of 150 Pa +

Normally for the air permeability we always go to 600 Pa (C4); for the wind resistance however it is important to choose the level of performance asked according to the EN 12210 classification. In automatic mode the machine wont go beyond the selected level!

For the water infiltration test the method A is most used (spray bar at 24°) and we have to select the maximum pressure.

Temperature	20	°C	
Atmospheric pressure	1013	HPa	
Relative humidity	50	%	

Here the temperature and atmospheric pressure are needed for calculation; the relative air humidity is

optional but asked by normalisation in the test report.

4.1.7. Remarks

DESCRIPTION	
General Properties Elements Glazing Classification Environment	Remarks
Software test procedure	×
	*
F1 Ok F2 Initialising	F10 Cancel

This page is used to put a more textual description if needed.

ATTENTION!

In all module the function buttons are operational:

F1 to memorise readings. F2 to delete and initialise memory. F10 to stop the test.

4.2. Module F2 Air permeability

4.2.1 Parameters

This module defines the different levels of pressure te measure in accordance to EN 1026 "Air permeability - test method". It is possible to change the levels for not normalised tests. The coefficients of the flow measuring system are accessible to eventually change after calibration.

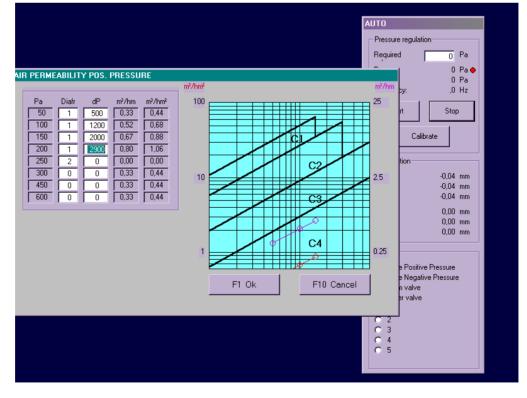
In normalised testing no change is needed.

		– Pressure regulation	n
		Required [0 Pa
neters air permeability		P:	0 Pa
r Test		dP:	0 Pa
1650		Frequency:	,0 Hz
POS. PRESSURE INCREASE	•	Start	Stop
Steps of pressure		Calibr	ate
1 50 5	250		
2 100 6	300	Deformation	
	450	Pot1 U	-0,04 mm
	500	Pot1 M Pot1 L	-0,04 mm -0,04 mm
		Pot2U	0,00 mm
Coefficients of the flow meter		Pot2 M	0,00 mm
Coeff1 Coeff4 2		Pot2 L	0,00 mm
		- Exit	
1.112		Valve Positive	Propositio
Coeff3 .5		Valve Negative	
		Storm valve	
F1 Ok F2 Initialising F	F10 Cancel	Water valve	
		C 2	
		C 3	
		O 4 O 5	
		0.5	

The first time in the test sequence the menu is opened the test "Positive Pressure" is proposed; this is always the first test. The second time "Negative pressure" is proposed. When repeated test are performed with te same measuring file and the test is already performed (\checkmark) positive pressure is always presented, it is to change in the pull- down menu!

After "F1 OK" in automatic mode the measuring starts:

4.2.2. Measuring

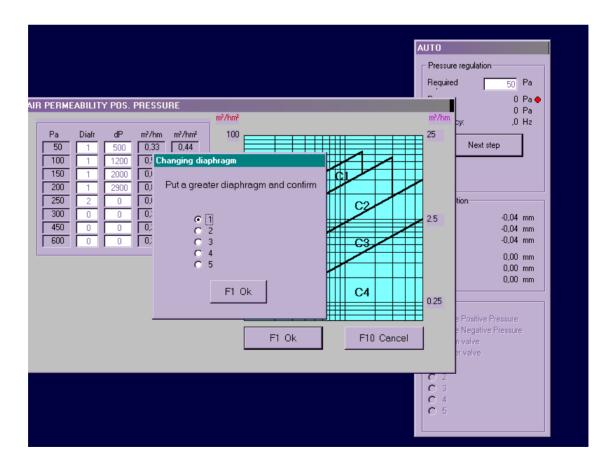


In manual mode is asked to position the element:

	Pressure regula	ation
	Required	0 Pa
meters air permeability	P:	, O Pa
	dP:	0 Pa
- Test	Frequency:	,0 Hz
POS. PRESSURE VINCREASE	Start	Stop
Steps of pressure	Ca	alibrate
1 50 5 250		
2 100 FimepSAuto	Deformation —	
3 150	Pot1 U	-0,04 mm
	Pot1 M	-0,04 mm
4 200 Positioning: 3 ~ 600 Pa	Pot1 L	-0,04 mm
	Pot2 U	0,00 mm
Coefficients of the flow meterOKAnnuleren	Pot2 M	0,00 mm
Coeff1Coeff43	Pot2 L	0,00 mm
	- Exit	
.112 0.3		
Coeff3 .5	Valve Posit	ative Pressure
	Storm valve	
F1 Ok F2 Initialising F10 Cancel	🗖 🗌 🗖 Water valv	e
	● 1	
	0 2	
	03	

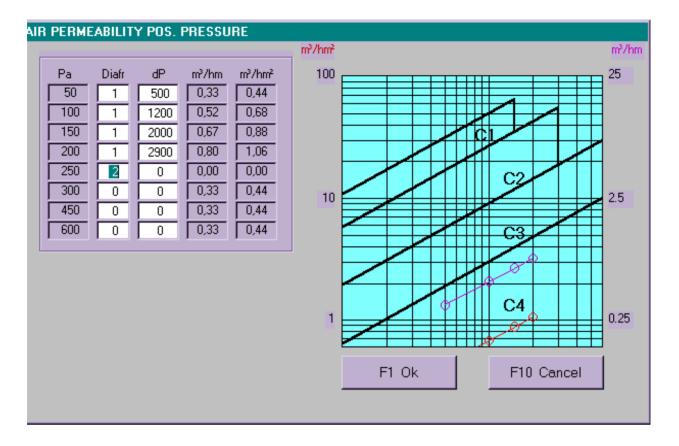
After confirming with "OK" the same window as preceding is displayed and the machine is to operate in manual condition (selecting the required pressure and Start)

In automatic mode, after setting the window, the diaphragm changing window is displayed and after putting the diaphragm into the holder then mark the number and F1 Ok. The measuring is started.



The way to choose a good diaphragm is to have a dP reading between 50 and 3000 Pa (the range of each diaphragm).

When during the test the frequency of the motor is mounting while the absolute pressure on the window (P) is not mounting then the diaphragm is to small. Then it is usual to put a greater one in. This is possible with the "change diaphragm" button on the control centre (in auto mode).



After the test is completed the machine waits to return to the main menu until confirmed with the "F1 Ok" button!

Interpretation of results:

Relation between the test results based on the overall area and the lenght of opening joint.

If a specimen obtain results according to the overall area and the lengt of opening joint, which give:

- the same class. The specimen shall be classified in one and the same class
- two adjacent classes. The specimen shall be classified in the most favourable class (with lower rate)
- a difference of two classes. The specimenshall be classified in the mean class
- a difference of more than two classes. The specimen shall not be classified.

4.3. Module F3 Wind resistance

4.3.1. Measure of deformations parameters.

Measuring is performed by three gauge measurement relative to the frame.

Parameters resistance to wind Type of pressure POS. PRESSURE Length to be measured f1 1200 mm Steps of pressure 1	Pressure regu Required P: dP: Frequency: Start Deformation	0 Pa 0 Pa 0 Pa 0 Pa 0 Pa 0 Hz Stop
Type of pressure Length to be measured POS. PRESSURE f1 [1200] f1 [1200] mm Steps of pressure 6 [800]	P: dP: Frequency: Start	0 Pa 0 Pa ,0 Hz Stop
Type of pressure Length to be measured POS. PRESSURE f1 1200 mm 0 mm 0 mm Steps of pressure 1 0 6 800	dP: Frequency: Start	0 Pa ,0 Hz
Type of pressure POS. PRESSURE F1 1200 mm Steps of pressure 1 0 6 800	Frequency:	,0 Hz
POS. PRESSURE 1 1200 mm 0 mm 0 mm Steps of pressure 1 0 6 800	Start	Stop
1 0 6 800	Deformation	
1 0 6 800		
	Pot1 U	-0.04 mm
a 1000	Pot1 M	-0,04 mm
2 100 7 1200	Pot1 L	-0,04 mm
3 200 8 1600	Pot2 U	0,00 mm
	Pot2 M	0,00 mm
4 300 9 2000	Pot2 L	0,00 mm
5 400 10 0	Exit	
F1 Ok F2 Initialising F10 Cancel	Valve Pos	jative Pressure /e

This module defines the different levels of pressure te measure in accordance to EN 1211 "Resistance to wind load - test method". It is possible to change the levels for not normalised tests. The pressure levels beyond the asked performance (§ 4.1.5.) are not reached. The length between the two external measuring points is to put in mm.

	AUTO	
	Pressure regu	lation
	Required	0 Pa
	P:	0 Pa 🔶
Parameters resistance to wind	dP:	0 Pa
	Frequency:	,0 Hz
Type of pressure Length to be measured INEG. PRESSURE 1 1200 mm	Start	Stop
NEG. PRESSURE	C	alibrate
	- Deformation -	
Steps of pressure FimepSAuto	Pot1 U	-0.04 mm
1 0	Pot1 M	-0,04 mm
2 100 Positioning: 3 * 1200 Pa	Pot1 L	-0,04 mm
3 200	Pot2 U	0,00 mm
UK Annuleren	Pot2 M	0,00 mm
4 300	Pot2 L	0,00 mm
5 400 10 0		
	Exit	
	🔽 🔽 Valve Pos	
F1 Ok F2 Initialising F10 Cancel		gative Pressure
	Storm valv	
	🗌 🗖 Water val	ve
	© 1 © 2	
	03	
	0 4	
	C 5	

In automatic mode the machine starts the positioning and then the measuring. In manuel mode the "positioning" window is displayed.

4.3.2. Measure of deformations

After confirming with "OK" the same window as preceding is displayed and the machine is to operate in manual condition (selecting the required pressure and Start) The measured values are to put in high, middle and lower.

In automatic mode, after setting the window, the measuring is started.

RÉSISTANCE AU	J VENT PRES	SION		
_E Capteurs de	déformation -			(1 ()
_				DÉFORMATION f1 (mm) • f2 (mm) •
Haut 🚺	Haut	0		20
Millieu 🛛	D Millier	u 0		
Bas	D Bas	0		15
<u>I</u>				10
Pression (Pa)	f1 (mm)	f2 (mm)		
0	0	0	X	5
100	0	0		
200	0	0		
300	0	0		
400	0	0		0 1000 2000
800	0	0		Pression (Pa)
1200	0	0		
1600	0	0		
2000	0	0		F1 OK F10 ANNULER
0	0	0		FIGANNOLER

The first time in the test sequence the menu is opened the test "Positive Pressure" is proposed; this is always the first test. The second time "Negative pressure" is proposed. When repeated test are performed with te same measuring file and the test is already performed (\checkmark) positive pressure is always presented, it is to change in the pull- down menu!

While measuring the graph is drawn and displayed.

4.3.3. Classification

Wind loads and relative frontal deflection shall be combined into one overall classification as indicated in table 1

Table 1

Wind load class		Relative frontal deflection	
	A (<1/150)	B (<1/200)	C (<1/300)
1	A1	B1	C1
2	A2	B2	C2
3	A3	B3	C3
4	A4	B4	C4
5	A5	B5	C5
Exxxx	AExxxx	BExxxx	CExxxx

ULSATIONS Pulsations to be carried out with following times Time increase pressure Time increase pressure Sec POS. PRESS. • NEG. PRESS. •
Time pressure 0 3 sec Number of pulses 50 Pressure (Pa) 600 F1 Ok F10 Cancel

In accordance to the EN 12211 norm a repeated pressure test has to be executed on the specimen after the deformation test and prior to the control air infiltration test.

The test specimen shall be subjected to 50 cycles including negative and positive pressures, with the following features:

- test pressure equal to P2;
- first step is negative, next is positive as is the last of the sequence of 50 impulses;
- variation from P2 to + P2 shall take \pm 7 with time 0 \pm 3 s; P2 is maintained \pm 7 sec.

After completion of the 50 cycles, open and close the moving parts of the specimen and note damage or functioning defects if any.

4.4. Module F4 Control of air permeability

Same module as module F2 (see § 4.2) but with calculation of the 20% limit. The specimen shall remain functional and the maximum increase, in air permeability caused by wind resistance tests, shall not be greater than 20% of the maximum permissible air permeability for the air permeability classification previously obtained.

4.5. Module F5 Water tightness

This module is in accordance to the EN 1027 "Watertightness - test method" It is possible to ad a description at the pressure level where infiltration has occured. The amount of water in I/min and the remaining time are displayed. When no infiltration (water leakage) is viewed "none" is mentioned.

Pressure	Time (min)	Infiltration
0	15	NONE
50	5	NONE
100	5	NONE
150	5	glass underside 🔹 🚽
200	5	· · · · · · · · · · · · · · · · · · ·
250	5	· · · · · · · · · · · · · · · · · · ·
300	5	
450	5	<u> </u>
600	5	<u> </u>
750	5	<u> </u>
900	5	<u> </u>
1050	5	<u> </u>
1200	5	· ·
equired flow		6,0 1/min Time Pa 0 00:41

When the maximum desired level is reached then the button "F1 OK" is pushed and the test ends.

In case of other, not normalised tests, it is possible to go on much faster by using the "next step" button.

4.6. Module F6 Safety test

The specimen shall be subjected to one cycle including negative and positive test pressure. After safety test record the eventual damages.

If "NONE" is recorded then the test is considered as OK.

SAFE TY TEST CLASSIFICATION REMARKS C1 600 C2 1200 C3 1800 C4 2400 C5 3000 F1 Ok F1 Ok F10 Cancel Exit Exit Valve Positive Pressure Stom valve Valve Negative Pressure Stom valve C 2 2 3 6 7 7 7 7 7 8 9 10 10 10 11 12 23 24 30 4 5							A	UTO	
AFETY TEST CLASSIFICATION C1 600 Image: C2 1200 C2 1200 C3 1800 C4 2400 C5 3000 F1 Ok F10 Cancel F10 Cancel F10 Cancel								– Pressure reg	gulation
AFETY TEST CLASSIFICATION C1 600 NONE C2 1200 C3 1800 C4 2400 C5 3000 F1 Ok F10 Cancel Exit Valve Positive Pressure Valve Negative Pressure Valve Negative Pressure Storn valve 0.00 mm C1 0.01 C3 1800 C4 2400 C5 3000 Valve Positive Pressure Valve Negative Pressure Storn valve Valve Negative Pressure Valve Negative Preston Valve								Required	O Pa
AFETY TEST CLASSIFICATION REMARKS C1 600 NONE C2 1200 Image: Comparison of the second se									
SAFETY TEST CLASSIFICATION REMARKS C1 600 NONE C2 1200 Image: Comparison of the second s									
CLASSIFICATION REMARKS C1 600 C2 1200 C3 1800 C4 2400 C5 3000 F1 Ok F1 Ok F10 Cancel	AFETY TEST							Frequency:	,U Hz
C1 600 NONE Image: C2 1200 Image: C2 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Start</th><th>Stop</th></t<>								Start	Stop
C1 600 NONE ■ C2 1200 ■ ■ C3 1800 ■ ■ C4 2400 ■ ■ C5 3000 ■ ■ F1 Ok F10 Cancel ■ ■ Exit ■ ■ ■ Valve Positive Pressure ■ Valve Negative Pressure Valve Negative Pressure ■ Valve Negative Pressure Storn valve ■ ■ Valve Regative Pressure ■ 3 G 1 □ □ ✓ 1 □ ✓ ✓ 1 ✓ ✓ 1	CLASSI	FICATION R	REMARKS						Calibrate
C2 1200 ▼ C3 1800 ▼ C4 2400 ▼ C5 3000 ▼ F1 Ok F10 Cancel F10 Cancel Exit ✓ Valve Pressure Valve Regative Pressure Valve Negative Pressure Valve Negative Pressure Storm valve ○ 1 ○ 2 ○ 3 ○ 4					_				
C3 1800 Image: C3 1800 Image: C3 1800 Image: C3 100 4 mm C4 2400 Image: C3 Image: C3 100 4 mm Pot1 M -0.04 mm C5 3000 Image: C3 Image: C3 Image: C3 100 4 mm Pot1 L -0.04 mm C5 3000 Image: C3 Image: C3 Image: C3 0.00 mm Pot2 U 0.00 mm F1 Ok F10 Cancel Image: C3			NUNE					- Deformation	
C4 2400	C2	1200			-		_		
C4 2400 ✓ C5 3000 ✓ F1 Ok F10 Cancel F10 Cancel Exit ✓ Valve Positive Pressure Valve Negative Pressure Valve Negative Pressure Valve Negative Pressure ✓ 3000 ✓ 1 2 3 ✓ 4	C3	1800			•		_		
C5 3000 Image: C5 0,00 mm F1 Ok F10 Cancel Image: C5 0,00 mm Exit Image: C5 Image: C5 Image: C5 Valve Positive Pressure Image: C5 Valve Positive Pressure Valve Negative Pressure Image: C5 Storm valve Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Image: C5 Ima	C4	2400			~		_		
F1 Ok F10 Cancel F1 Ok F10 Cancel Valve Positive Pressure □ Valve Negative Pressure □ Storm valve □ Water valve □ 1 □ 2 □ 3 □ 4	C5	3000			-		_		
F1 Ok F10 Cancel Exit ✓ Valve Positive Pressure ○ Valve Negative Pressure ○ Storm valve ○ Water valve ○ 1 ○ 2 ○ 3 ○ 4							_		
FT OK FT Cancel ✓ Valve Positive Pressure ✓ Valve Negative Pressure ✓ Storm valve ✓ 1 ✓ 2 ✓ 3 ✓ 4						_		E.a	
 ✓ Valve Negative Pressure ✓ Storm valve ✓ Water valve ✓ 1 ✓ 2 ✓ 3 ✓ 4 	F1	Ok 🛛		F10 C	ancel		_		
Image: Storm valve Image: Water valve Image: Storm valve						-	_		
 ✓ Water valve ✓ 1 ✓ 2 ✓ 3 ✓ 4 							_		
							_		
O 4									

4.7. Module F10 Stop.

Stops the programme and returns to the operating system.

5. Calibration

5.1. Calibration of the airflow, water flow measuring system

The calibration consists in to compare the measuring system with a standard.

5.2. Calibration of pressure sensors

The calibration consists in to compare the measuring system with a calibrated manometer.

6. Report of tests

6.1. Open the report-type in EXCEL In "Start", "Programmes" and **Fimep** open "Report".

14	- ·	
	👼 LView Pro Image Processor 🔹 🕨	
Deze computer AutoCAD R1	🔁 Zelio-Soft 🔹 🕨	
	👼 Tardis 🔹 🕨	
	😻 Launch MSN Explorer	
	🔍 Windows Verkenner	
Mijn CDFACE32 documenten	😤 MSN Messenger Service	
	📻 lomega 🔹 🕨	
	💼 Iomega Backup 🔹 🕨	
Internet Cls	💼 Easy Computing 🔹 🕨	
Explorer	💼 QuickTime for Windows 🔹 🕨	
<u></u>	👼 Ad-aware 5.5 🔹 🔸	
WinZip	💼 Clean Disk Security 🔹 🕨	
	👼 Efface Historique 🔹 🕨	
📻 <u>P</u> rogramma's →	👼 Idiomas Taalcursus Nederlands-Frans 🔸	
	😔 Elaborate Bytes Locale Editor	
💉 🔆 <u>F</u> avorieten	💼 AIM Productions 🔹 🕨	
🚔 Documenten 🔸	😸 Internet Explorer	
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Then an empty mask is opened:

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6.2. Recalling the test results

6.2.1. On the computer where test are performed: open "macro" (Extra) Or [Alt + F8].

Start the macro:

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He opens the hard drive C ; there is the directory AWW FIMEP; in this directory the sub directory "data"

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In thie directory are the measuring files.

It is possible to ad a button on the button bar in EXCEL:" $^{\odot}$ " who opens the macro and works with it. See the "help" file in Excel.

When the measuring file is opened the test report is completed with the measures.

A test report always named "Report3_EN1 is created.	
Therefore it is recommended to change the name and save it	

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6.2.2. Test report on a different computer.

On this computer the programme "EXCEL" and the mask "Report_EN" must be installed.

6.2.2.1. Copy of test results

In the directory C:\ AWW FIMEP; open the sub directory "data" and transfer the measuring file, by stick or net.

6.2.2.2. Use of the measuring files

SAME PROCEDURE AS § 6.2.1. BUT NOW SEARCH THE FILES BY OPENING DE STICK OR OTHER.

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Now the measuring data are in the report:

6.3. Adapt the report

6.3.1. Date

The system date is always used; it can be modified:

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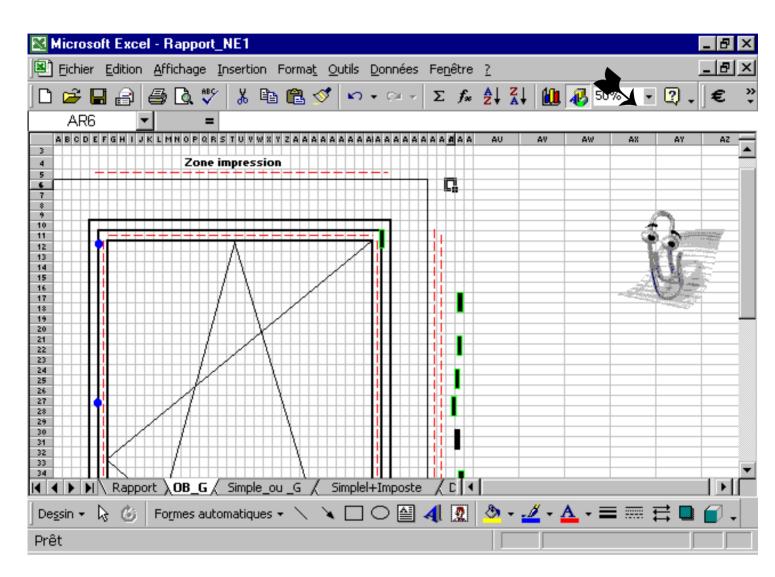
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6.3.3. Adapt a drawing.

6.3.3.1. Open a type.

In the report are different type drawings "DK_L", Simple_opening_G etc.... To change the drawing, use the drawing aid in Excel.

In the work window EXCEL, use the "zoom" function to dimension the drawing on the screen:



6.3.3.2. Changing the drawing

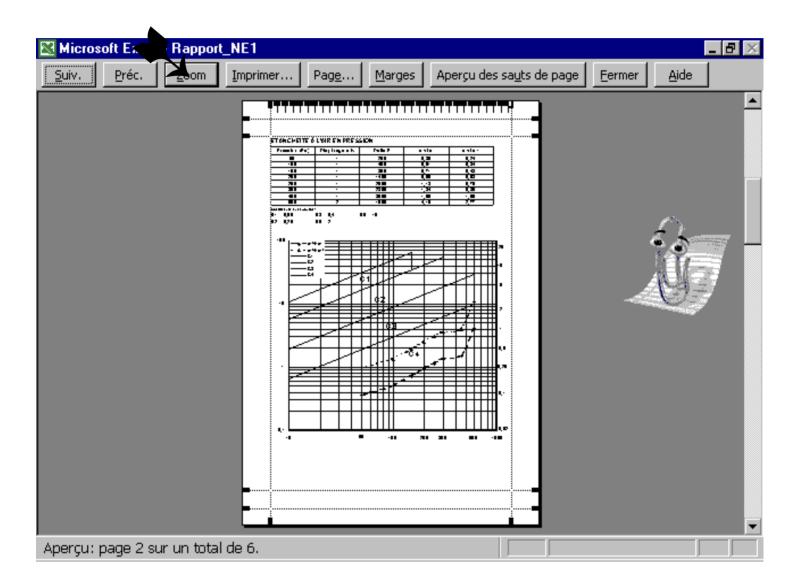
It is possible to change the details of the drawing, even to modify certain drawings with the "design" of Excel. See the buton on the toolbar.

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Sample of tool bar;

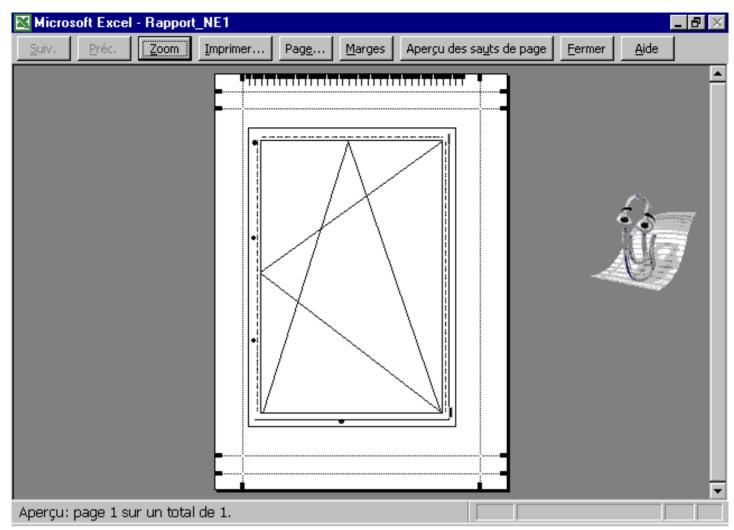
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With the drawing aids it is possible to move some items out of the impression zone.



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6.4. Print the report with a drawing



Print sample ; to print a drawing go to print previeuw.

6.5. Save the report

6.5.1. Closing EXCEL

Closing EXCEL the following question is asked:



If one would save the report under the name "**Report_EN1**"; there is no problem. If a second file is opened you have to save it under a different name. If the file need not to be saved then answer No. Sif the report has to be saved; then "save it as"

The pull down menu under "file" is needed.

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Depending where you want to save it is possible to open all the media on the computer with:

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